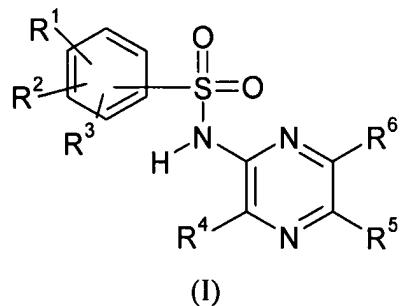


IN THE CLAIMS:

This listing of claims will replace all prior versions and listing of claims in the application.

Listing of the claims:

Claim 1 (currently amended): A compound of formula (I) or a pharmaceutically acceptable salt or solvate thereof:



in which:

R¹, R² and R³ are independently hydrogen, chlorine, fluorine, halogen, or cyano, -CF₃, -OCF₃, -OC₁₋₆alkyl or C₁₋₆alkyl;

R⁴ is halogen, CO₂R¹², or C₁₋₆alkoxy where the alkyl group may form a 3-6 membered saturated ring or may be substituted with 1-3 fluorine atoms or a cyano group;

~~C₃₋₆alkenyl, C₃₋₆alkenyl, C₃₋₆alkynyl, C₃₋₆alkynyl, where either may be optionally substituted with hydroxy or NR¹⁴R¹⁵;~~

~~OC₁₋₆alkyl-X-C₁₋₆alkyl where the alkyl groups may form a 3-6 membered saturated ring; OC₁₋₆alkyl-X-R¹⁴, or OC₂₋₆alkyl-X-R¹⁴ where the alkyl group may form a 3-6 membered saturated ring and is optionally substituted with 1-3 groups selected from hydroxy, halogen, NR¹⁴R¹⁵, SR¹³, S(O)₂R¹³, S(O)R¹³ or COR¹³; OC₁₋₆alkyl-X-R¹⁴;~~

R⁵ and R⁶ are independently hydrogen, cyano, halogen, CO₂R¹², CONR¹⁴R¹⁵, C₁₋₆alkyl optionally substituted by hydroxy, NR¹⁴R¹⁵, or 1-3 fluorines;

~~C₁₋₆alkyl-XCH(R¹⁴)C₁₋₆alkyl or XCH(R¹⁴)C₁₋₆alkyl where the alkyl group may be optionally substituted with 1-3 groups selected from hydroxy, and NR¹⁴R¹⁵;~~

~~NR¹⁴R¹⁵, N(R¹⁴)R¹⁴, X-(CH₂)_nNR¹⁴R¹⁵, (CH₂)_nNR¹⁴R¹⁵, NHC(O)C₁₋₆alkyl optionally substituted by one or more hydroxy groups;~~

C_{3-6} alkynyl or C_{3-6} alkenyl optionally branched and optionally substituted with 1-3 groups selected from hydroxy, cyano, halogen and $=O$;

R^{14} ; $X-R^{14}$; $X-R^{12}$; $X-C_{1-6}alkylR^{16}$; $X-R^{16}$; $X-(CH_2)nCO_2R^{12}$; $X-(CH_2)nCONR^{14}R^{15}$;
 $X-(CH_2)nR^{14}$; $X-(CH_2)nCN$; $X-(CH_2)qOR^{12}$; $(CH_2)nOR^{12}$;
 $(CH_2)nX-R^{14}$; $X-(CH_2)qNHC(O)NHR^{12}$; $X-(CH_2)qNHC(O)R^{12}$;
 $X-(CH_2)qNHS(O)_2R^{12}$; $X-(CH_2)qNHS(O)_2R^{14}$; $X-C_{3-6}alkenyl$; $X-C_{3-6}alkynyl$;

n is 1, 2, 3, 4 or 5;

q is 2, 3, 4, 5 or 6;

X is NR^{13} , O, S, $S(O)$, $S(O)_2$;

R^{14} is an aryl group or a 5-7 membered heteroaromatic ring containing 1-4 heteroatoms selected from nitrogen, oxygen or sulphur each of which can be optionally substituted by 1-3 groups selected from halogen, $C(O)NR^{14}R^{15}$, $C(O)OR^{12}$, hydroxy, $=O$, $=S$, CN, NO_2 , COR^{13} , $NR^{14}R^{15}$, $X(CH_2)qNR^{14}R^{15}$, $(CH_2)nNR^{14}R^{15}$, $(CH_2)nOH$, SR^{13} , $S(O)R^{13}$, $S(O)_2R^{13}$, $C_{1-6}alkyl$, $X-C_{1-6}alkyl$, $C_{1-6}alkyl$ or $C_{1-6}alkoxy$ where the alkyl group may form a 3-6 membered ring or is optionally substituted with 1-3 groups selected from hydroxy, halogen, $NR^{14}R^{15}$, SR^{13} , $S(O)R^{13}$, $S(O)_2R^{13}$;

R^{12} and R^{13} are independently hydrogen or C_{1-6} alkyl where the alkyl group may be substituted with 1-3 fluorine atoms; or may form a saturated 3-6 membered ring; and

R^{14} and R^{15} are independently hydrogen, C_{1-6} alkyl, C_{3-6} cycloalkyl or $(CH_2)qOH$;

or R^{14} and R^{15} together with the nitrogen atom to which they are attached form a 4-8 membered saturated ring containing 1-3 heteroatoms selected from nitrogen, oxygen and sulphur and optionally substituted by $C_{1-6}alkyl$, $C_{1-6}alkyl OH$, or hydroxy; and

R^{16} is a 4-8 membered saturated ring containing 1-3 heteroatoms selected from nitrogen, oxygen or sulphur and optionally substituted with 1-3 groups selected from hydroxy, cyano, halogen and $=O$;

provided that:

- when R^4 is halogen or C_{1-4} alkoxy and R^5 is hydrogen, halogen, C_{1-4} alkyl, C_{1-2} alkoxy, C_{1-2} alkylthio, trifluoromethyl or ethynyl and when one R^1 , R^2 , or R^3 is C_{1-6} alkyl or C_{1-6} alkoxy and is meta to the sulphonamide group then the group ortho to both the sulphonamide group and the C_{1-6} alkyl or C_{1-6} alkoxy group is not hydrogen.
- when R^4 is halogen or C_{1-4} alkoxy and R^5 is hydrogen, halogen, C_{1-4} alkyl, C_{1-2} alkoxy, C_{1-2} alkylthio, trifluoromethyl, or ethynyl and when one of R^1 , R^2 or R^3 is C_{1-6} alkyl or C_{1-6} alkoxy and is ortho to the sulphonamide group then the group ortho to the C_{1-6} Alkyl or C_{1-6} alkoxy and also meta to the sulphonamide group is not hydrogen.
- when two of R^1 , R^2 , R^3 are hydrogen and the other is a methyl group para to the sulphonamide and R^4 is methoxy then R^5 is not hydrogen or bromo, and
- when R^5 is methyl and R^6 is methoxy and one of R^1 , R^2 or R^3 is bromo or iodo and the other two are both hydrogen, then the bromo or iodo group is not ortho to the sulphonamide group.

Claim 2 (currently amended): A compound according to claim 1 in which one of R^1 and R^2 are chloro at the 2- and 3-positions of the phenyl ring and R^3 is hydrogen and the other is chloro, bromo or methyl.

Claim 3 (currently amended): A compound according to claim 1 or 2 in which R^4 is C_{1-6} alkoxy such as methoxy, 2-furanyl methoxy, bromo, chloro, 2-methoxyethoxy, (5-methyl-3-isoxazolyl)methoxy, pyridylmethoxy, 3-pyridazinylmethoxy, methoxy, 2-(1-imidazolyl)ethoxy, (2-methyl-4-oxazolyl)methoxy and 4-methoxyphenylmethoxy.

Claim 4 (currently amended): A compound according to claim 1 any one of claims 1 to 3 in which R^5 is hydrogen, halogen such as bromo and chloro, phenyl, $-C_{1-6}$ alkyl, such as methyl, CH_2OH , cyano and/or 2-aminoethanethiol, 2-aminoethanethiol

Claim 5 (currently amended): A compound according to claim 1 any one of claims 1 to 3 in which R^6 is hydrogen, C_{1-6} alkyl, CH_2OH and/or halogen.

Claim 6 (currently amended): A compound according to claim 1 in which is:
2,3-Dichloro-*N*-(3-methoxy-5-methyl-2-pyrazinyl)-benzenesulphonamide
N-(6-Chloro-3-methoxy-2-pyrazinyl)-2,3,4-trifluorobenzenesulphonamide

3-Chloro-N-(6-chloro-3-methoxy-2-pyrazinyl)-2-methylbenzenesulphonamide
2,3-Dichloro-N-(6-chloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
2,3-Dichloro-N-(5-chloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
N-(5-Bromo-3-methoxy-2-pyrazinyl)-2,5-dichlorobenzenesulphonamide
N-(5-Bromo-3-methoxy-2-pyrazinyl)-3,5-dichlorobenzenesulphonamide
N-(5-Bromo-3-methoxy-2-pyrazinyl)-2,3-dichlorobenzenesulphonamide
N-(5-Bromo-3-methoxy-2-pyrazinyl)-2,4-dichlorobenzenesulphonamide
N-(5-Bromo-3-methoxy-2-pyrazinyl)-3,4-dichlorobenzenesulphonamide
N-(5-Bromo-3-methoxy-2-pyrazinyl)-4-chlorobenzenesulphonamide
N-(5-Bromo-3-methoxy-2-pyrazinyl)-3-chlorobenzenesulphonamide
N-(3-Methoxy-5-methyl-2-pyrazinyl)-2-fluorobenzenesulphonamide
N-(3-Methoxy-5-methyl-2-pyrazinyl)benzenesulphonamide
~~N-(3-Methoxy-5-methyl-2-pyrazinyl)-2-iodobenzenesulphonamide~~
N-(3-Methoxy-5-methyl-2-pyrazinyl)-3-fluorobenzenesulphonamide
2-[[~~(3-Methoxy-5-methyl-2-pyrazinyl)amino~~]sulphonyl]benzonitrile
N-(5-Bromo-3-methoxy-2-pyrazinyl)benzenesulphonamide
~~N-(5-Bromo-3-methoxy-2-pyrazinyl)-2-iodobenzenesulphonamide~~
~~2,3-Dichloro-N-[3-(2-furanylmethoxy)-5-methyl-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5-methyl-3-(5-methyl-3-isoxazolylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5-methyl-3-(2-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5-methyl-3-(6-methyl-2-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5-methyl-3-(3-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5-methyl-3-(4-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5-methyl-3-(3-methyl-2-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5-methyl-3-(3-pyridazinylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[3-(2-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[3-(3-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
2,3-Dichloro-N-(3-methoxy-2-pyrazinyl)benzenesulphonamide
~~N-[5-Bromo-3-(2-pyrazinylmethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-[5-Bromo-3-(1-methyl-6-oxo-1,6-dihydro-3-pyridinylmethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-[5-Bromo-3-(3-pyridazinylmethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-[5-Bromo-3-(3-pyridinylmethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-[5-Bromo-3-(5-pyrimidinylmethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~

~~N-[5-Chloro-3-(3-pyridinylmethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-[5-Chloro-3-(5-pyrimidinylmethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
2-Chloro-N-(6-chloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
4-Chloro-N-(6-chloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
N-(6-Chloro-3-methoxy-2-pyrazinyl)-2,4-dichlorobenzenesulphonamide
N-(6-Chloro-3-methoxy-2-pyrazinyl)-3,4-dichlorobenzenesulphonamide
~~3-Chloro-N-(3-methoxy-5-methyl-2-pyrazinyl)-2-methylbenzenesulphonamide~~
2-Chloro-N-(3-methoxy-5-methyl-2-pyrazinyl)benzenesulphonamide
3-Chloro-N-(3-methoxy-5-methyl-2-pyrazinyl)benzenesulphonamide
4-Chloro-N-(3-methoxy-5-methyl-2-pyrazinyl)benzenesulphonamide
2,4-Dichloro-N-(3-methoxy-5-methyl-2-pyrazinyl)benzenesulphonamide
3,4-Dichloro-N-(3-methoxy-5-methyl-2-pyrazinyl)benzenesulphonamide
~~N-(5-Bromo-3-methoxy-2-pyrazinyl)-2-trifluoromethoxybenzenesulphonamide~~
~~3-Chloro-N-(5-chloro-3-methoxy-2-pyrazinyl)-2-methylbenzenesulphonamide~~
2-Chloro-N-(5-chloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
3-Chloro-N-(5-chloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
4-Chloro-N-(5-chloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
N-(5-Chloro-3-methoxy-2-pyrazinyl)-2,4-dichlorobenzenesulphonamide
~~2,3-Dichloro-N-[3-methoxy-5-(4-morpholinyl)-2-pyrazinyl]benzenesulphonamide~~
2,3-Dichloro-N-[3,5-dimethoxy-2-pyrazinyl]benzenesulphonamide
~~2,3-Dichloro-N-[3-methoxy-5-(1-pyrrolinyl)-2-pyrazinyl]benzenesulphonamide~~
3-Chloro-N-(5,6-dichloro-3-methoxy-2-pyrazinyl)-2-methylbenzenesulphonamide
2,3-Dichloro-N-(5,6-dichloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
2-Chloro-N-(5,6-dichloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
3-Chloro-N-(5,6-dichloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
4-Chloro-N-(5,6-dichloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
2,4-Dichloro-N-(5,6-dichloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
3,4-Dichloro-N-(5,6-dichloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
2,3-Dichloro-N-(3-methoxy-5,6-dimethyl-2-pyrazinyl)benzenesulphonamide
2,3-Dichloro-N-(6-chloro-3,5-dimethoxy-2-pyrazinyl)benzenesulphonamide
~~2,3-Dichloro-N-[6-chloro-3-methoxy-5-(4-morpholinyl)-2-pyrazinyl]benzenesulphonamide~~
2,3-Dichloro-N-[6-chloro-5-(2-hydroxyethylamino)-3-methoxy-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-N-[6-chloro-5-dimethylamino-3-methoxy-2-pyrazinyl]benzenesulphonamide

2,3-Dichloro-*N*-[6-chloro-3-methoxy-5-(2-methoxyethoxy)-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-[6-chloro-5-hydroxy-3-methoxy-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-[6-methoxy-5-([2,2']bipyrazinyl)]benzenesulphonamide
4-[5-(2,3-Dichlorobenzenesulphonyl)amino]-6-methoxy-2-pyrazinyl]benzoic acid
2,3-Dichloro-*N*-(3,5-dichloro-2-pyrazinyl)benzenesulphonamide
2,3-Dichloro-*N*-{6-chloro-3-methoxy-5-([2-methoxyethyl]amino)-2-pyrazinyl}benzenesulphonamide
N-{2-[3-Chloro-5-(2,3-dichlorobenzenesulphonyl)amino]-6-methoxy-2-pyrazinylamino]ethyl}acetamide
2,3-Dichloro-*N*-[5-(4-hydroxymethyl-1-piperidinyl)-3-methoxy-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-[5-cyano-3-(3-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-(6-chloro-3-methoxy-5-methylamino-2-pyrazinyl)benzenesulphonamide
2,3-Dichloro-*N*-(3-methoxy-5-methylsulphonyl-2-pyrazinyl)benzenesulphonamide
2,3-Dichloro-*N*-[5-(2,4-difluorophenyl)-3-methoxy-2-pyrazinyl]benzenesulphonamide
-[5-(2,3-Dichlorobenzenesulphonyl)amino]-6-methoxy-2-pyrazinylsulphonyl]acetic acid methyl ester
[5-(2,3-Dichlorobenzenesulphonyl)amino]-6-methoxy-2-pyrazinylsulphonyl]acetic acid
2,3-Dichloro-*N*-[5-(2-chlorobenzylsulphonyl)-3-methoxy-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-[6-chloro-5-(3-hydroxy-1-azetidinyl)-3-methoxy-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-[5-methyl-3-(1-oxy-3-pyrazinylmethoxy)-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-[5-chloro-3-(4-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-[5-chloro-3-(1-oxy-4-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-[5-chloro-3-(2-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-[5-chloro-3-(2-methylsulphonyl)ethoxy]-2-pyrazinyl]benzenesulphonamide
N-(3-Butoxy-5-chloro-2-pyrazinyl)-2,3-dichlorobenzenesulphonamide
2,3-Dichloro-*N*-[5-chloro-3-(2-methyl-3-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-[5-chloro-3-(6-methyl-2-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-[5-chloro-3-(1-oxy-2-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide
3-Chloro-*N*-[5-chloro-3-(3-pyridinylmethoxy)-2-pyrazinyl]-2-methylbenzenesulphonamide
3-Chloro-*N*-[5-chloro-3-(3-pyridinylmethoxy)-2-pyrazinyl]-2-fluorobenzenesulphonamide
2,3-Dichloro-*N*-[5-chloro-3-(4-methoxyphenylmethoxy)-2-pyrazinyl]benzenesulphonamide
N-[5-Bromo-6-chloro-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide

~~2,3-Dichloro-N-[6-chloro-3-(3-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[6-chloro-3-(2-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~N-[5-(2-Aminoethylsulphonyl)-3-(2-pyridinylmethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~2,3-Dichloro-N-[5-chloro-3-(6-methoxy-3-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~N-[3-(3-Bromophenylmethoxy)-5-chloro-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~3-[6-Chloro-3-(2,3-dichlorobenzenesulphonylamino)-2-pyrazinylmethoxy]benzoic acid methyl ester~~
~~3-[6-Chloro-3-(2,3-dichlorobenzenesulphonylamino)-2-pyrazinylmethoxy]benzoic acid~~
~~2,3-Dichloro-N-[5-chloro-3-(3-hydroxymethylphenylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5-chloro-3-(3-methylaminomethylphenylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5-chloro-3-(3-[(2-hydroxyethylamino)methyl]phenylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5-chloro-3-(4-hydroxymethylphenylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5-chloro-3-(4-[(2-hydroxyethylamino)methyl]phenylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[3-(4-hydroxymethylphenylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5-chloro-3-(2-hydroxymethylphenylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
5-(2,3-Dichlorobenzenesulphonylamino)-6-methoxypyrazine-2-carboxylic acid, methyl ester
2,3-Dichloro-N-[5-(1-hydroxy-1-methylethyl)-3-methoxy-2-pyrazinyl]benzenesulphonamide
N-[5-(2-Aminoethoxy)-3-methoxy-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide
N-{5-[(2-Aminoethyl)thio]-6-chloro-3-methoxy-2-pyrazinyl}-2,3-dichlorobenzenesulfonamide
3-[(5-[(2,3-Dichlorophenyl)sulphonyl]amino)-6-methoxy-2-pyrazinyl]thio]propanoic acid, methyl ester
2,3-Dichloro-N-[5-bromo-3-methoxy-6-methyl-2-pyrazinyl]benzenesulphonamide
5-(2,3-Dichlorobenzenesulphonylamino)-6-methoxy-3-methylpyrazine-2-carboxylic acid, methyl ester
2,3-Dichloro-N-[5-(hydroxymethyl)-3-methoxy-6-methyl-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-N-[5,6-dichloro-3-(3-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide

3-Chloro-*N*-(5-chloro-3-methoxy-2-pyrazinyl)-2-fluorobenzenesulphonamide
~~3-Chloro-2-fluoro-*N*[(3-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
3-[(2,3-Dichlorophenyl)sulphonyl]amino} pyrazine-2-carboxylic acid, methyl ester
N-(5-Bromo-6-chloro-3-methoxy-2-pyrazinyl)-2,3-dichlorobenzenesulphonamide
3-Chloro-5-[(2,3-dichlorophenyl)sulphonyl]amino}-6-methoxypyrazine-2-carboxylic acid,
methyl ester
2,3-Dichloro-*N*-[6-chloro-5-(hydroxymethyl)-3-methoxypyrazin-2-yl]benzenesulphonamide
~~2,3-Dichloro-*N*[(3-[(6-methoxy-3-pyridinyl)methoxy]-2-pyrazinyl]benzenesulphonamide~~
2,3-Dichloro-*N*-[6-chloro-3-methoxy-5-(methoxymethyl)-2-pyrazinyl]benzenesulphonamide
2-Chloro-*N*-(5-chloro-3-methoxy-2-pyrazinyl)-3-fluorobenzenesulphonamide
2-Chloro-3-fluoro-*N*-(3-methoxy-2-pyrazinyl)benzenesulphonamide
~~2-Chloro-3-methoxy-*N*[(3-methoxy-2-pyrazinyl)benzenesulphonamide~~
~~*N*[(5-Bromo-3-[(2S)-2-pyrrolidinylmethoxy]-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~5-(2,3-Dichlorobenzenesulphonyl)amino)-6-(3-pyridinylmethoxy)pyrazine-2-carboxylic acid,~~
methyl ester
~~5-[(2,3-Dichlorophenyl)sulphonyl]amino)-6-(3-pyridinylmethoxy)-2-pyrazinecarboxamide~~
~~2,3-Dichloro-*N*[(5-(4-pyridinyl)-3-(3-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-*N*[(5-(hydroxymethyl)-3-(3-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
2,3-Dichloro-*N*-(5-(hydroxymethyl)-3-methoxy)-2-pyrazinyl]benzenesulphonamide
~~4-Amino-2,3-dichloro-*N*-(5-chloro-3-methoxy-2-pyrazinyl)benzenesulphonamide~~
~~*N*-(5-Allyloxy-3-methoxy-2-pyrazinyl)-2,3-dichlorobenzenesulphonamide~~
2,3-Dichloro-*N*-(5-(3-hydroxy-1-propynyl)-3-methoxy-2-pyrazinyl]benzenesulphonamide
~~*N*[(3-[(5-Bromo-3-pyridinyl)methoxy]-5-chloro-2-pyrazinyl)-2,3-dichlorobenzenesulphonamide~~
~~2,3-Dichloro-*N*[(5-chloro-3-[(6-(hydroxymethyl)-2-pyridinyl)methoxy]-2-~~
pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*[(5-chloro-3-[(2-methyl-4-oxazolyl)methoxy]-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*[(3-[(2-methyl-4-oxazolyl)methoxy]-2-pyrazinyl]benzenesulphonamide
~~*N*[(5-Bromo-3-(phenylmethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~*N*[(5-Bromo-3-(2-cyclopropylethoxy)pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~*N*[(5-Bromo-3-(3-thienylmethoxy)pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~*N*[(5-Bromo-3-[(2-methyl-3-furanyl)methoxy]-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~*N*[(5-Bromo-3-[(3-furanyl)methoxy]-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~*N*[(5-Bromo-3-[(4-fluorophenyl)methoxy]-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~*N*[(5-Bromo-3-[(3-fluorophenyl)methoxy]-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~

~~N-[5-Bromo-3-[3-(2-pyridinyl)propoxy]-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-[5-Bromo-3-(pentyloxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-[5-Bromo-3-(propyloxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-[5-Bromo-3-(2-methoxyethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-[5-Bromo-3-(2-ethoxyethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-[5-Bromo-3-(2-fluoroethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-[5-Bromo-3-[2-(1H-imidazol-1-yl)ethoxy]-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-[5-Bromo-3-[3-(3-pyridinyl)propoxy]-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-[5-Bromo-3-[2-(methylamino)ethoxy]-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-[5-Bromo-3-[3-(4-hydroxyphenyl)propoxy]-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-[5-Bromo-3-(2-phenoxyethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-[5-Bromo-3-(cyclopropylmethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-[5-Bromo-3-(3-phenoxypropoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~2,3-Dichloro-N-(5-ethoxy-3-methoxy-2-pyrazinyl)benzenesulphonamide~~
~~2,3-Dichloro-N-[3-methoxy-5-([1,2,4]1-triazolyl)-2-pyrazinyl]benzenesulphonamide~~
~~2-[5-(2,3-Dichlorobenzenesulphonyl amino)-6-methoxy-2-pyrazinylsulphanyl]-N-methylacetamide~~
~~2-[5-(2,3-Dichlorobenzenesulphonyl amino)-6-methoxy-2-pyrazinylsulphanyl]acetamide~~
~~2,3-Dichloro-N-[5-(4-fluorobenzylsulphanyl)-3-methoxy-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5-cyanomethylsulphanyl-3-methoxy-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[3-methoxy-5-([1,2,4]3-oxadiazolylmethylsulphanyl)-2-pyrazinyl]benzenesulphonamide~~
~~N-[5-(2-Aminoethylsulphanyl)-3-methoxy-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~2,3-Dichloro-N-[3-methoxy-5-(5-methyl-3-isoxazolylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5-(5-dimethylaminomethyl-2-furanylmethoxy)-3-methoxy-2-pyrazinyl]benzenesulphonamide~~
~~N-[5-Bromo-3-(5-dimethylaminomethyl-2-furanylmethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~2,3-Dichloro-N-[5-(2-hydroxyethylsulphanyl)-3-methoxy-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5-[2-(ethylureido)ethylsulphanyl]-3-methoxy-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[3-(5-dimethylaminomethyl-2-furanylmethoxy)-2-pyrazinyl]benzenesulphonamide~~

~~2,3-Dichloro-N-[6-chloro-3-(5-dimethylaminomethyl-2-furanylmethoxy)-2-pyrazinyl]benzenesulphonamide~~

~~2,3-Dichloro-N-[6-chloro-3-(5-methylaminomethyl-2-furanylmethoxy)-2-pyrazinyl]benzenesulphonamide~~

~~2,3-Dichloro-N-[5-chloro-3-(5-dimethylaminomethyl-2-furanylmethoxy)-2-pyrazinyl]benzenesulphonamide~~

~~2,3-Dichloro-N-[3-(5-methylaminomethyl-2-furanylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
N-(5-Bromo-3-methoxypyrazinyl)-2-cyanobenzenesulphonamide

~~N-(5-Bromo-3-methoxypyrazinyl)-2,3-dichloro-4-fluorobenzenesulphonamide~~

~~2,3-Dichloro-N-[3-methoxy-5-(4-morpholinylmethyl)-2-pyrazinyl]benzenesulphonamide~~
N-(3-Allyloxy-5-chloro-2-pyrazinyl)-2,3-dichlorobenzenesulphonamide

~~2,3-Dichloro-N-[5-chloro-3-(2-propynloxy)-2-pyrazinyl]benzenesulphonamide~~

~~2,3-Dichloro-N-[3-(2-propynloxy)-2-pyrazinyl]benzenesulphonamide~~

~~2,3-Dichloro-N-(5-cyano-3-methoxy-2-pyrazinyl)benzenesulphonamide~~

~~2,3-Dichloro-N-[3-methoxy-5-[(2S)-pyrrolidin-2-ylmethoxy]-2-pyrazinyl]benzenesulfonamide hydrochloride~~

~~2,3-Dichloro-N-[6-chloro-3-methoxy-5-[(2R)-2-pyrrolidinylmethoxy]-2-pyrazinyl]benzenesulphonamide Hydrochloride~~

~~2,3-Dichloro-N-[3-methoxy-5-(2-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide Hydrochloride~~

~~2,3-Dichloro-N-(3-methoxy-6-methyl-2-pyrazinyl)benzenesulphonamide~~

~~2,3-Dichloro-N-[3-methoxy-5-(1H-1,2,4-triazol-1-ylmethyl)-2-pyrazinyl]benzenesulphonamide~~
~~N-(3-(5-Aminomethyl-2-furanylmethoxy)-5-chloro-2-pyrazinyl)-2,3-dichloro- benzenesulphonamide~~

~~N-(3-(5-Aminomethyl-2-furanylmethoxy)-2-pyrazinyl)-2,3-dichlorobenzenesulphonamide~~

~~2,3-Dichloro-N-[3-methoxy-5-(2-propyn-1-yloxy)-2-pyrazinyl]benzenesulphonamide~~
{[5-(2,3-Dichlorophenylsulfonylamino)-6-methoxy-2-pyrazinyl]oxy}acetic acid, methyl ester

~~N-[5-(2,3-Dichlorophenylsulfonylamino)-6-methoxy-2-pyrazinyl]-2-hydroxyacetamide~~

~~6-(2,3-Dichlorophenylsulfonylamino)-5-methoxy-2-pyrazinecarboxylic acid, methyl ester~~

~~2,3-Dichloro-N-[6-(hydroxymethyl)-3-methoxy-2-pyrazinyl]benzenesulphonamide~~

~~2,3-Dichloro-N-(5-methanesulphonyl-3-methoxy-2-pyrazinyl)benzenesulphonamide~~

~~2-[5-(2,3-Dichlorobenzenesulphonylamino)-6-methoxy-2-pyrazinyl]-N,N-diethyl-acetamide~~

2,3-Dichloro-*N*-(5-[2-(dimethylamino)ethylsulphanyl]-3-methoxy-2-pyrazinyl)benzenesulphonamide

2,3-Dichloro-*N*-(5-difluoromethyl-3-methoxy-2-pyrazinyl)benzenesulphonamide

2,3-Dichloro-4-fluoro-*N*-(3-methoxy-2-pyrazinyl)benzenesulphonamide, or

~~2,3-Dichloro-*N*-(5-chloro-3-[1-(cyclopropyl)ethoxy]-2-pyrazinyl)benzenesulphonamide~~

~~2,3-Dichloro-*N*-(5-chloro-3-(5-formyl-2-furanyl)methoxy)-2-pyrazinyl)benzenesulphonamide~~

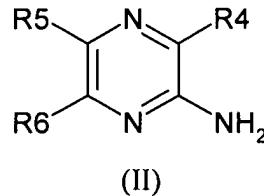
~~2,3-Dichloro-*N*-(5-chloro-3-(5-cyclopropylaminomethyl-2-furanyl)methoxy)-2-pyrazinyl)benzenesulphonamide~~

~~N-[5,6-bis-(Hydroxymethyl)-3-methoxy-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~

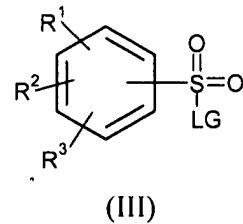
~~*N*-(3-[(2-amino-4-oxazolyl)methoxy]-5-chloro-2-pyrazinyl)-2,3-dichlorobenzenesulphonamide or a pharmaceutically acceptable salt salts and solvates thereof.~~

Claim 7 (**withdrawn: currently amended**): A process for the preparation of compound (I) which comprises:

(a) reaction of a compound of formula (II):



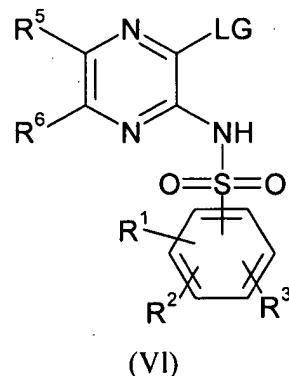
where R⁴, R⁵ and R⁶ are as defined in formula (I) or are protected derivatives thereof with a compound of formula (III):



where R¹, R² and R³ are as defined in formula (I) or are protected derivatives thereof and LG is a leaving group, or

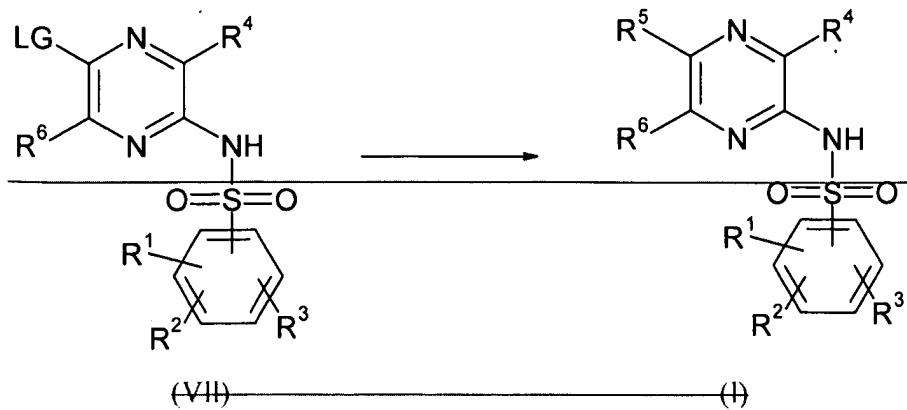
(b) for compounds where R^4 is C_{1-6} alkoxy where the alkyl group may form a 3-6 membered saturated ring or may be substituted with 1-3 fluorine atoms or a cyano group; C_{3-6} alkenyloxy or C_{3-6} alkynyloxy where either may be optionally substituted with hydroxy or $NR^{14}R^{15}$; OC_{1-6} alkyl X C_{1-6} alkyl where the alkyl groups may form a 3-6 membered saturated ring; OC_{1-6} alkyl R^{14} ; or OC_{2-6} alkyl X R^{14} where the alkyl group may form a 3-6 membered saturated ring and is optionally substituted with 1-3 groups selected from hydroxy, halogen, $NR^{14}R^{15}$, SR^{13} , $S(O)_2R^{13}$, $S(O)R^{13}$; or OC_{1-6} alkyl R^{14} ;

treating a compound of the formula (VI), where LG is a leaving group:



with a compound of formula R^4 -H (V) in the presence of a suitable base, or

(c) for compounds of structure (I), where R^5 is an optionally substituted aryl or heteroaryl ring as defined above, reacting a compound of formula (XI) or (VII) where LG is a leaving group with an aryl or heteroaryl boronic acid in the presence of a palladium catalyst and a suitable base at elevated temperature;



and optionally thereafter process (a) or (b) or (c)

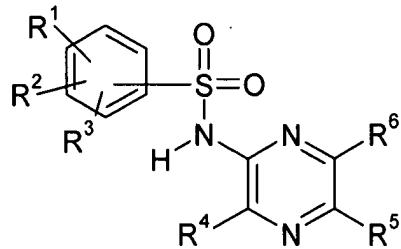
- removing any protecting groups,
- converting a compound of formula (I) to a further compound of formula (I)
- forming a pharmaceutically acceptable salt.

Claim 8 (currently amended): A pharmaceutical composition comprising a compound of formula (I), or a pharmaceutically acceptable salt or solvate thereof, as claimed in claim 1 in association with a pharmaceutically acceptable adjuvant, diluent or carrier.

Claim 9 (withdrawn: currently amended): A process for the preparation of a pharmaceutical composition as claimed in claim 82 which comprises mixing a compound of formula (I), or a pharmaceutically acceptable salt or solvate thereof, as claimed in claim 1 with a pharmaceutically acceptable adjuvant, diluent or carrier.

Claim 10 (cancelled).

Claim 11 (withdrawn: currently amended): A method of treating a chemokine mediated disease wherein the chemokine binds to one or more chemokine receptors, which comprises administering to a patient a therapeutically effective amount of a compound of formula (IB), or a pharmaceutically acceptable salt or solvate thereof:



(IB)

in which:

R^1 , R^2 and R^3 are independently hydrogen, chlorine, fluorine, bromine, halogen, or cyano, CF_3 , or C_{1-6} alkyl;

R^4 is halogen, CO_2R^{12} or, C_{1-6} alkoxy where the alkyl group may form a 3-6 membered saturated ring or may be substituted with 1-3 fluorine atoms or a cyano group;

C_{3-6} alkenyloxy or C_{3-6} alkynyloxy where either may be optionally substituted with hydroxy or $NR^{14}R^{15}$;

OC_{1-6} alkyl-X- C_{1-6} alkyl where the alkyl groups may form a 3-6 membered saturated ring;

OC_{1-6} alkyl R^H , or OC_{2-6} alkyl-X- R^H where the alkyl group may form a 3-6 membered saturated ring and is optionally substituted with 1-3 groups selected from hydroxy, halogen,

$NR^{14}R^{15}$, SR^{13} , $S(O)_2R^{13}$, $S(O)R^{13}$;

OC_{1-6} alkyl R^H ;

R^5 and R^6 are independently hydrogen, cyano, halogen, CO_2R^{12} , $CONR^{14}R^{15}$;

C_{1-6} alkyl optionally substituted by hydroxy, $NR^{14}R^{15}$, or 1-3 fluorines;

C_{1-6} alkyl R^H or $XCH(R^H)C_{1-6}$ alkyl or $XCH(R^{16})C_{1-6}$ alkyl where the alkyl group may be optionally substituted with 1-3 groups selected from hydroxy, and $NR^{14}R^{15}$;

$NR^{14}R^{15}$; $N(R^H)R^H$; $X-(CH_2)_qNR^{14}R^{15}$; $(CH_2)_nNR^{14}R^{15}$;

C_{3-6} alkynyl or C_{3-6} alkenyl optionally branched and optionally substituted with 1-3 groups selected from hydroxy, cyano, halogen and =O;

R^H ; $X-R^H$; $X-R^{12}$; $X-C_{1-6}$ alkyl R^{16} ; $X-R^{16}$; $X-(CH_2)_nCO_2R^{12}$; $X-(CH_2)_nCONR^{14}R^{15}$;

$X-(CH_2)_nR^H$; $X-(CH_2)_nCN$; $X-(CH_2)_qOR^{12}$; $(CH_2)_nOR^{12}$;

$(CH_2)_nX-R^H$; $X-(CH_2)_qNHC(O)NHR^{12}$; $X-(CH_2)_qNHC(O)R^{12}$;

$X-(CH_2)_qNHS(O)_2R^{12}$; $X-(CH_2)_qNHS(O)_2R^H$; $X-C_{3-6}$ alkenyl; $X-C_{3-6}$ alkynyl;

n is 1, 2, 3, 4 or 5;

q is 2, 3, 4, 5 or 6;

X is NR¹³, O, S, S(O), S(O)₂;

R¹⁴ is an aryl group or a 5-7 membered heteraromatic ring containing 1-4 heteroatoms selected from nitrogen, oxygen or sulphur each of which can be optionally substituted by 1-3 groups selected from halogen, C(O)NR¹⁴R¹⁵, C(O)OR¹², hydroxy, =O, =S, CN, NO₂, NR¹⁴R¹⁵, X(CH₂)qNR¹⁴R¹⁵, (CH₂)nNR¹⁴R¹⁵, (CH₂)nOH, SR¹³, S(O)R¹³, S(O)₂R¹³, C₁₋₆alkyl, X-C₁₋₆alkyl, C₁₋₆alkyl or C₁₋₆alkoxy where the alkyl group may form a 3-6 membered ring or is optionally substituted with 1-3 groups selected from hydroxy, halogen, NR¹⁴R¹⁵, SR¹³, S(O)R¹³, S(O)₂R¹³;

R¹² and R¹³ are independently hydrogen or C₁₋₆ alkyl where the alkyl group may be substituted with 1-3 fluorine atoms; or may form a saturated 3-6 membered ring; and

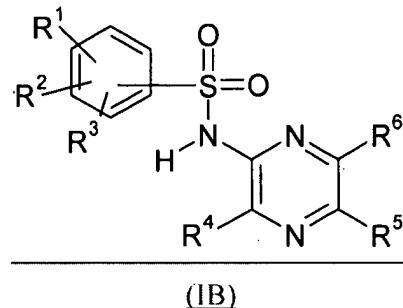
R¹⁴ and R¹⁵ are independently hydrogen, C₁₋₆ alkyl, C₃₋₆ cycloalkyl or (CH₂)qOH, or R¹⁴ and R¹⁵ together with the nitrogen atom to which they are attached form a 4-8 membered saturated ring containing 1-3 heteroatoms selected from nitrogen, oxygen and sulphur and optionally substituted by C₁₋₆ alkyl, C₁₋₆alkyl-OH, or hydroxy; and

R¹⁶ is a 4-8 membered saturated ring containing 1-3 heteroatoms selected from nitrogen, oxygen or sulphur and optionally substituted with 1-3 groups selected from hydroxy, cyano, halogen and =O;

Claim 12 (withdrawn: currently amended): A method according to claim 11 in which the chemokine receptor belongs to the CCR chemokine receptor subfamily.

Claim 13 (withdrawn: currently amended): The method according to claim 11 or 12 in which the chemokine receptor is the CCR4 receptor.

Claim 14 (withdrawn: currently amended): A method of treating an inflammatory disease in a patient suffering from, or at risk of, said disease, which comprises administering to the patient a therapeutically effective amount of a compound of formula (IB), or a pharmaceutically acceptable salt or solvate thereof, as defined in claim 11.



in which:

R¹, R² and R³ are independently hydrogen, chlorine, fluorine, bromine or cyano;

R⁴ is halogen, CO₂R¹² or C₁₋₆ alkoxy where the alkyl group may be substituted with 1-3 fluorine atoms or a cyano group;

R⁵ and R⁶ are independently hydrogen, cyano, halogen, CO₂R¹², CONR¹⁴R¹⁵,

C₁₋₆ alkyl optionally substituted by hydroxy, NR¹⁴R¹⁵, or 1-3 fluorines;

C₃₋₆ alkynyl or C₃₋₆ alkenyl optionally branched and optionally substituted with 1-3 groups selected from hydroxy, cyano, halogen and =O;

X-R¹²; X-(CH₂)_nCO₂R¹²; X-(CH₂)_nCONR¹⁴R¹⁵;

X-(CH₂)_qCN; X-(CH₂)_qOR¹²; (CH₂)_nOR¹²;

X-(CH₂)_qNHC(O)NHR¹²; X-(CH₂)_qNHC(O)R¹²;

X-(CH₂)_qNHS(O)₂R¹²; X-C₃₋₆alkenyl; X-C₃₋₆alkynyl;

n is 1, 2, 3, 4 or 5;

q is 2, 3, 4, 5 or 6;

X is NR¹³, O, S, S(O), S(O)₂;

R¹² and R¹³ are independently hydrogen or C₁₋₆alkyl where the alkyl group may be substituted with 1-3 fluorine atoms; and

R¹⁴ and R¹⁵ are independently hydrogen, C₁₋₆alkyl or (CH₂)qOH.

Claim 15 (withdrawn: currently amended): A The method according to claim 14, wherein the disease is asthma.

Claim 16 (new): A compound according to claim 1 which is 2,3-dichloro-N-(3-methoxy-2-pyrazinyl)benzenesulphonamide or a pharmaceutically acceptable salt thereof.

Claim 17 (new): A compound according to claim 1 which is 2,3-dichloro-N-[5-(hydroxymethyl)-3-methoxy-6-methyl-2-pyrazinyl]benzenesulphonamide or a pharmaceutically acceptable salt thereof

Claim 18 (new): A compound according to claim 1 which is 2,3-dichloro-N-[6-chloro-5-(hydroxymethyl)-3-methoxypyrazin-2-yl]benzenesulphonamide or a pharmaceutically acceptable salt thereof.

Claim 19 (new): A compound according to claim 1 which is 2,3-dichloro-N-[6-chloro-3-methoxy-5-(methoxymethyl)-2-pyrazinyl]benzenesulphonamide or a pharmaceutically acceptable salt thereof.

Claim 20 (new): A compound according to claim 1 which is 2,3-dichloro-N-[5-(hydroxymethyl)-3-methoxy)-2-pyrazinyl]benzenesulphonamide or a pharmaceutically acceptable salt thereof.